

Title (en)

Storage stable heat curable organosiloxane compositions containing a microencapsulated catalyst and method for preparing said catalyst.

Title (de)

Mikroverkapselter Katalysator enthaltende lagerstabile warmhärtende Organopolysiloxanzusammensetzungen und Verfahren zur Herstellung eines solchen Katalysators.

Title (fr)

Compositions d'organopolysiloxanes stables au stockage et thermodurcissables contenant un catalyseur microencapsulé et procédé de préparation de ce catalyseur.

Publication

EP 0550239 A1 19930707 (EN)

Application

EP 92311690 A 19921222

Priority

US 81578092 A 19920102

Abstract (en)

The present invention provides microencapsulated hydrosilylation catalysts for one-part heat curable organosiloxane compositions. Compositions containing these exhibit long-term storage stability yet cure rapidly when heated above the melting point of the encapsulating polymer. At least a portion of these microcapsules are less than one micron in diameter and substantially all are less than about three microns in diameter. Compositions containing the preferred platinum group metals as catalysts are optically transparent. The microencapsulated curing catalysts of this invention are prepared by irradiating with UV light in the wavelength range of from 300 to 400 nanometers a solution containing (1) at least one of a specified group of photo-crosslinkable organosiloxane compounds derived from propargyl esters of carboxylic acids containing a terminal aromatic hydrocarbon radical and at least two ethylenically unsaturated carbon atoms and (2) a liquid or solubilized hydrosilylation catalyst.

IPC 1-7

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IPC 8 full level

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C07C 255/41 (2013.01 - EP US); **Y10S 525/936** (2013.01 - EP US); **Y10T 428/2985** (2015.01 - EP US); **Y10T 428/2987** (2015.01 - EP US)

Citation (search report)

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